

CUMBERLAND RIVER BASIN

03426470 DRY CREEK NEAR EDENWOLD, TN

LOCATION.--Lat 36°17'03", long 86°42'22", Davidson County, Hydrologic Unit 05130202, on right wingwall on downstream side of bridge on Gallatin Pike, 0.6 mi southwest of Edenwold, 0.6 mi northeast of Amqui, and at mile 1.2.

DRAINAGE AREA.--7.64 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Data collection platform. Elevation of gage is 430 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges which are fair, and discharges above 1,000 ft³/s, which are poor. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 22	0515	*2,050	*8.33				No other peak greater than base discharge.

Minimum discharge, 0.14 ft³/s, Sept. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.9	6.3	12	7.8	99	5.7	7.0	4.3	0.90	1.5	0.42
2	1.6	1.8	5.3	50	31	42	5.0	36	3.2	0.73	1.0	0.98
3	1.4	1.7	5.1	21	65	18	4.5	36	3.9	0.61	0.82	1.0
4	1.3	1.9	6.4	15	23	13	4.2	18	2.9	1.2	0.94	0.79
5	1.3	3.9	5.7	17	481	60	3.9	12	2.2	e1.9	14	0.64
6	1.4	3.6	5.4	14	101	54	3.6	8.5	1.8	e1.2	2.4	0.49
7	1.3	2.6	4.9	11	33	21	3.6	6.8	1.7	2.9	1.3	0.42
8	1.3	2.2	4.6	9.6	21	15	3.4	5.8	1.5	1.5	1.1	0.39
9	1.3	2.0	4.9	9.0	16	12	3.4	5.1	1.4	1.1	0.87	0.34
10	3.4	1.9	15	7.6	15	9.5	3.3	4.6	1.3	0.93	0.72	0.28
11	2.0	1.8	11	6.6	12	8.2	3.3	4.7	1.2	1.2	0.64	0.25
12	1.6	1.9	8.2	6.0	12	6.8	36	3.9	1.8	1.1	0.70	0.50
13	1.5	1.9	8.0	5.5	10	5.9	91	4.8	2.2	0.96	0.70	0.46
14	4.5	1.8	26	5.1	9.0	5.4	37	4.5	1.7	1.1	0.55	0.46
15	3.0	2.3	14	4.6	7.9	5.0	18	191	1.5	0.94	0.48	0.38
16	2.2	3.7	24	4.4	6.6	5.1	12	21	1.2	0.81	0.40	0.90
17	2.0	3.5	18	4.5	6.0	4.5	9.4	11	1.2	0.73	0.35	2.0
18	1.8	70	14	41	5.4	4.3	7.8	7.6	1.2	0.61	0.31	0.94
19	1.6	28	12	17	5.1	4.0	6.5	5.8	0.96	0.52	0.29	0.65
20	1.6	14	9.9	12	5.0	11	5.7	4.6	0.81	0.46	1.5	0.50
21	1.6	9.1	8.2	9.5	4.7	12	30	3.8	0.77	0.43	2.9	0.39
22	1.6	6.7	7.0	8.1	4.2	7.6	354	3.1	0.71	0.41	1.5	0.27
23	1.6	5.4	19	7.1	4.1	6.4	131	2.7	0.82	0.42	1.1	0.23
24	1.5	29	20	6.5	4.0	5.8	45	2.4	0.74	0.40	1.4	0.21
25	1.5	13	13	131	3.7	5.1	23	2.2	0.88	0.63	1.3	0.18
26	5.6	8.9	10	33	3.6	4.9	18	1.9	0.81	0.82	1.1	0.16
27	3.7	8.2	8.3	21	3.4	4.4	13	1.8	0.66	0.68	0.83	0.18
28	2.8	14	7.0	15	3.4	4.2	10	2.4	0.61	0.50	0.71	0.18
29	2.4	10	40	13	3.3	7.8	8.0	1.8	0.57	0.40	0.63	0.17
30	2.1	8.2	34	11	---	7.5	7.7	2.0	0.59	0.39	0.61	0.17
31	2.0	---	17	8.9	---	6.9	---	26	---	13	0.49	---
TOTAL	64.2	264.9	392.2	537.0	907.2	476.3	907.0	448.8	45.13	39.48	43.14	14.93
MEAN	2.07	8.83	12.7	17.3	31.3	15.4	30.2	14.5	1.50	1.27	1.39	0.50
MAX	5.6	70	40	131	481	99	354	191	4.3	13	14	2.0
MIN	1.3	1.7	4.6	4.4	3.3	4.0	3.3	1.8	0.57	0.39	0.29	0.16
CFSM	0.27	1.16	1.66	2.27	4.09	2.01	3.96	1.89	0.20	0.17	0.18	0.07
IN.	0.31	1.29	1.91	2.61	4.42	2.32	4.42	2.19	0.22	0.19	0.21	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	3.22	11.2	16.2	19.1	24.4	22.6	19.2	12.7	13.9	3.30	1.57	4.82
MAX	10.1	30.8	34.2	49.9	55.9	57.0	48.5	27.5	47.3	12.9	3.28	17.7
(WY)	(2003)	(1997)	(1997)	(1999)	(2003)	(1997)	(1998)	(2003)	(1998)	(2002)	(2002)	(2003)
MIN	0.17	0.68	4.46	6.56	10.1	7.85	5.78	2.51	1.16	0.33	0.20	0.12
(WY)	(2001)	(1999)	(2000)	(2000)	(2002)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(1999)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1997 - 2004
ANNUAL TOTAL	4,861.13	4,140.28	
ANNUAL MEAN	13.3	11.3	
HIGHEST ANNUAL MEAN			12.6
LOWEST ANNUAL MEAN			17.6
HIGHEST DAILY MEAN	447	Sep 22	5.12
LOWEST DAILY MEAN	0.60	Jul 26	2000
ANNUAL SEVEN-DAY MINIMUM	0.76	Jul 22	
MAXIMUM PEAK FLOW		2,050	
MAXIMUM PEAK STAGE		8.33	
INSTANTANEOUS LOW FLOW		0.14	
ANNUAL RUNOFF (CFSM)	1.74	1.48	1.65
ANNUAL RUNOFF (INCHES)	23.67	20.16	22.40
10 PERCENT EXCEEDS	20	21	21
50 PERCENT EXCEEDS	4.4	3.8	3.3
90 PERCENT EXCEEDS	1.1	0.51	0.35

e Estimated

